



PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/600,712
Filing Date	June 23, 2003
First Named Inventor	M. F. DUBE
Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	14150-00601

Examiner Initials*	Cite No. ¹	U. S. PATENT DOCUMENTS			
		Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JAW		US- 2002/0020420	02/21/2002	Xue et al.	Class Sub
		US- 2002/0166563	11/14/2002	Jupe et al.	Class Sub
		US- 2003/0098033	05/29/2003	Macadam et al.	Class Sub
		US- 1,726,737	09/03/1929	Harris	Class Sub
		US- 2,808,057	10/01/1957	M. F. Jaksch	Class Sub
		US- 2,863,461	12/09/1958	H. W. Frost, Jr.	Class Sub
		US- 3,066,681	12/04/1962	C. C. Cohn	Class Sub
		US- 3,270,750	09/06/1966	Campell	Class Sub
		US- 3,279,476	10/18/1966	Noznick et al.	Class Sub
		US- 3,288,145	11/29/1966	S. R. Rosenthal	Class Sub
		US- 3,297,038	01/10/1967	F. Homburger	Class Sub
		US- 3,334,636	08/08/1967	A. A. Zuber	Class Sub
		US- 3,339,557	09/05/1967	L. W. Karalus	Class Sub
		US- 3,339,558	09/05/1967	N. J. Waterbury	Class Sub
		US- 3,366,121	01/30/1968	M. F. Carty	Class Sub
		US- 3,390,686	07/02/1968	Irby, Jr., et al.	Class Sub
		US- 3,420,242	01/07/1969	M. N. Boukair	Class Sub
		US- 3,428,049	02/18/1969	Leake et al.	Class Sub
		US- 3,508,558	04/28/1970	B. M. Seyburn	Class Sub

Examiner Initials*	Cite No. ¹	FOREIGN PATENT DOCUMENTS			
		Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JAW		WO 86/04488	08/14/1986	Jensen	Class Sub
		WO 02/03819	01/17/2002	Lecoultre	Class Sub
		WO 03/009711	02/06/2003	Kim	Class Sub
		WO 03/039276	05/15/2003	Gosebruch	Class Sub
		DE 1692936	01/13/1972	Jensen	Class Sub
		DE 22 28 457	10/12/1978	Brooks et al.	Class Sub

Examiner Signature: [Signature] Date Considered: 11-12-04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



(Use as many sheets as necessary)

Sheet	2	of	4
-------	---	----	---

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
 on a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number	10/600,712
Filing Date	June 23, 2003
First Named Inventor	M. F. DUBE
Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	14150-00601

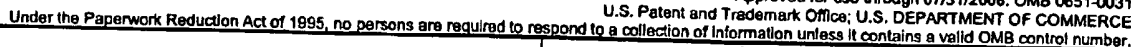
U. S. PATENT DOCUMENTS

Examiner Signature	<i>[Signature]</i>	Date Considered	11-12-04
--------------------	--------------------	-----------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (08-03)

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
to a collection of information unless it contains a valid OMB control number.

Complete if Known

(Use as many sheets as necessary)

Sheet	3	of	4
-------	---	----	---

Application Number	10/600,712
Filing Date	June 23, 2003
First Named Inventor	M. F. DUBE
Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	14150-00601

U. S. PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

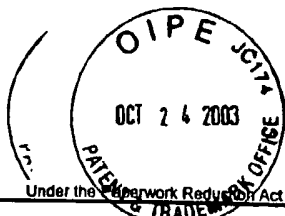
Date
Considered

11-17-94

<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not USPTO Patent Documents at www.uspto.gov or MPEP 901.04. * Applicant's unique citation designation number (optional). * See Kinds Codes of Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. * Applicant is to place a check mark here if English language Translation is attached.</p>	<p>Considered</p>	<p>11-12-09</p>
---	-------------------	-----------------

This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4 of 4

Complete if Known

Application Number 10/600,712
Filing Date June 23, 2003
First Named Inventor M. F. DUBE
Art Unit TBA
Examiner Name TBA
Attorney Docket Number 14150-00601

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
JAW		US- 5,074,320	12/24/1991	Jones, Jr. et al.	Class Sub
		US- 5,105,838	04/21/1992	White et al.	
		US- 5,271,419	12/21/1993	Arzonico et al.	
		US- 5,331,981	07/26/1994	Tamaoki et al.	
		US- 5,360,023	11/01/1994	Blakley et al.	
		US- 5,396,909	03/14/1995	Gentry et al.	
		US- 5,718,250	02/17/1998	Banerjee et al.	
		US- 5,724,997	03/10/1998	Smith et al.	
		US- 6,417,156	07/09/2002	Smith et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			

Examiner
Signature

[Handwritten Signature]

Date
Considered

11-12-04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.